

# Converting Colors

XYZ(105.7476, 100.0000,  
89.3287)

Have a look what the booklet for  
XYZ(105.7476, 100.0000, 89.3287)  
contains.

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# Color

**XYZ(87.4159, 90.5338,  
88.4688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2E7
RGB	255, 242, 231
RGB Percent	100%, 95%, 91%
CMY	0.0000, 0.0510, 0.0941
CMYK	0.00, 0.05, 0.09, 0.00
HSL	28°, 100%, 95%
HSV	28°, 9%, 100%
XYZ	87.4159, 90.5338, 88.4688
YIQ	244.6330, 11.2790, -0.6650

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 251, 231
Decimal	16773863
CIE Lab	96.22, 2.55, 6.85
CIE LCh	96, 7.310, 69.614
Yxy	90.5338, 0.3281, 0.3398
Android (android.graphics.Color)	4294963943 (0xFFFFF2E7)
YUV	244.6330, -6.7211, 9.0919
Hunter-Lab	95.1493, -2.5190, 11.4772

# Details

The XYZ color **87.4159, 90.5338, 88.4688** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.3549, 88.9079, 107.3754**, and the grayscale version is **86.5441, 91.0511, 99.1546**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5855, 50.2187, 47.6899** is the 20% darker color. If you saturate the color by 10%, you get **80.1184, 81.2886, 69.5433**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

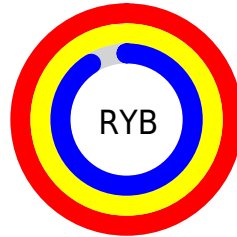
# Distribution



Red (100%)

Green (95%)

Blue (91%)



Red (100%)

Yellow (98%)

Blue (91%)



Cyan (0%)

Magenta (5%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4159, 90.5338, 88.4688 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 87.4159, 90.5338, 88.4688 by changing the saturation by 10% instead.



 87.4159, 90.5338,  
88.4688

 87.4159, 90.5338,  
88.4688

507.9526,  
529.7658, 543.4783

 66.1686, 68.4235,  
66.1448


142.6404,  
148.0796, 147.1265

 48.6775, 50.2423,  
47.9328


177.3483,  
184.2839, 184.2974

 34.5772, 35.6060,  
33.4140


217.2738,  
225.9550, 227.2543

 23.5024, 24.1300,  
22.1701

262.7823,  
273.4772, 276.4157

 15.0876, 15.4301,  
13.7824

314.2390,  
327.2350, 332.2003

 8.9676, 9.1218,  
7.8325

372.0094,

 4.7770, 4.8207,

387.6128, 395.0266

3.9017

436.4588,  
454.9949, 465.3131

■ 2.1504, 2.1425,  
1.5716

■ 0.7164, 0.6883,  
0.2704

■ 87.4159, 90.5338,  
88.4688

■ 87.4159, 90.5338,  
88.4688

■ 80.1184, 81.2886,  
69.5433

95.0500, 100.0000,  
108.9000

■ 73.6244, 72.8473,  
53.3615

■ 67.9048, 65.1901,  
39.7954

■ 62.9259, 58.2918,  
28.7044

■ 58.6516, 52.1256,  
19.9344

■ 55.0417, 46.6630,  
13.3139

■ 52.0513, 41.8728,  
8.6472

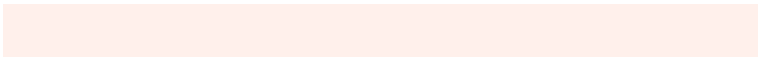
■ 49.6283, 37.7201,  
5.7020

■ 47.6965, 34.1599,  
4.1228

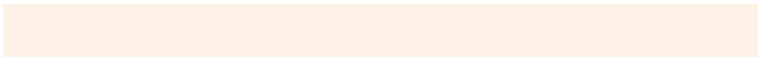
# Harmonies

## Analogous

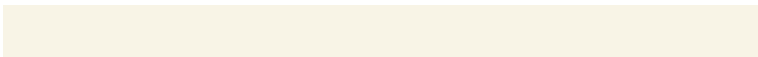
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0903, 90.5338, 91.6218



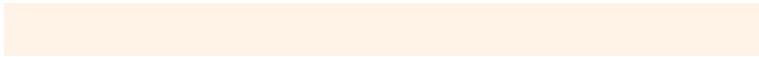
87.4159, 90.5338, 88.4688



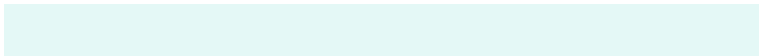
85.3997, 90.5338, 87.9646

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4159, 90.5338, 88.4688



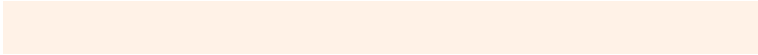
82.2600, 90.5338, 100.4537



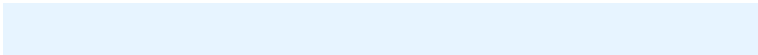
88.5613, 90.5338, 107.4365

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



87.4159, 90.5338, 88.4688



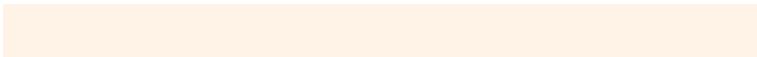
83.3549, 88.9079, 107.3754

# Split Complementary

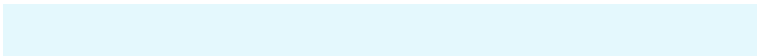
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7029, 90.5338, 110.0080



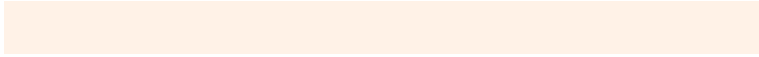
87.4159, 90.5338, 88.4688



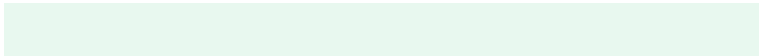
83.0790, 90.5338, 105.8733

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4159, 90.5338, 88.4688



82.4441, 90.5338, 94.7346



84.6977, 90.5338, 109.4249

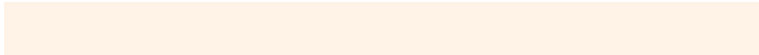


89.7588, 90.5338, 102.5197

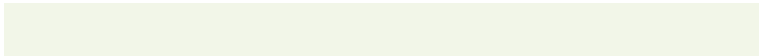


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4159, 90.5338, 88.4688



84.1361, 90.5338, 89.1775



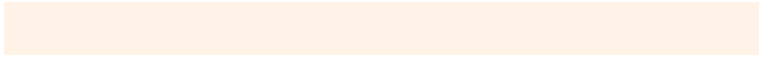
84.6977, 90.5338, 109.4249



87.9920, 90.5338, 108.6125

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



87.4180, 90.5376, 88.4707



92.5354, 96.9027, 102.1061



86.1761, 84.9567, 97.6042



19.6653, 20.5667, 21.4759



0.0000, 0.0000, 0.0000

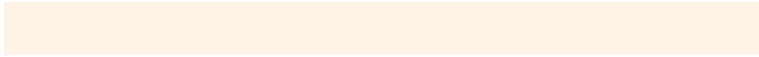


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4180, 90.5376, 88.4707



86.2031, 89.0131, 85.2747



91.0425, 97.7864, 89.6789



18.6956, 19.3595, 18.8957



25.0138, 18.0388, 2.1635

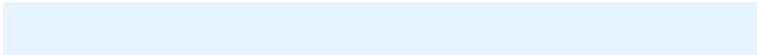


2.5432, 1.9718, 0.2466



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



83.3549, 88.9079, 107.3754



81.5059, 87.1290, 107.1295



79.9190, 82.0361, 106.2301



17.8179, 19.0074, 22.9796



14.3368, 13.5833, 51.3008

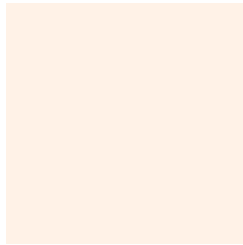


1.5052, 1.5412, 5.0314



# Previews

## White Background



This preview shows how the XYZ color 87.4159, 90.5338, 88.4688 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

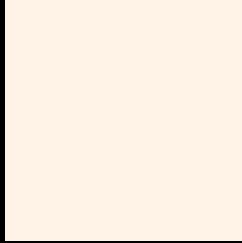
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.4159, 90.5338, 88.4688 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.4159, 90.5338, 88.4688**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.4159, 90.5338, 88.4688.



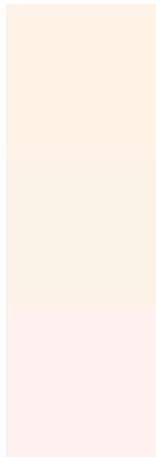
This preview shows how white text looks on a background with the XYZ color 87.4159, 90.5338,

88.4688.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

87.4159, 90.5338, 88.4688

### Protanopia

86.3997, 90.4366, 89.2462

### Deuteranopia

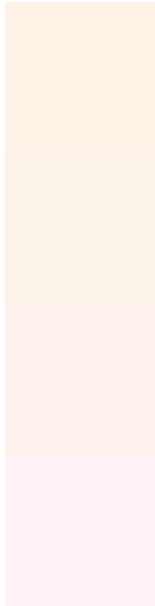
88.4235, 90.4619, 95.2385



## Tritanopia

90.2895, 90.7359, 106.5210

# Trichromacy



## Original Color

87.4159, 90.5338, 88.4688

## Protanomaly

86.7610, 90.6228, 89.2631

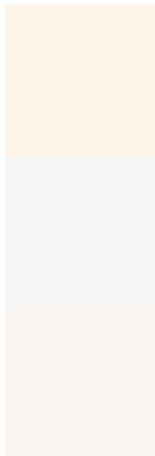
## Deuteranomaly

87.9814, 90.2850, 92.9104

## Tritanomaly

89.3298, 90.8244, 100.0115

# Monochromacy



## Original Color

87.4159, 90.5338, 88.4688

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

87.1458, 91.1324, 95.4353

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.4159, 90.5338, 88.4688 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 242, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 231)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 87.4159, 90.5338, 88.4688 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 242, 231) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 242, 231) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 242, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.4159, 90.5338, 88.4688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 231) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
242, 231) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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